

Nuclear Materials Focus Area Update

Phil Wheatley



Previous 4 Months Activity

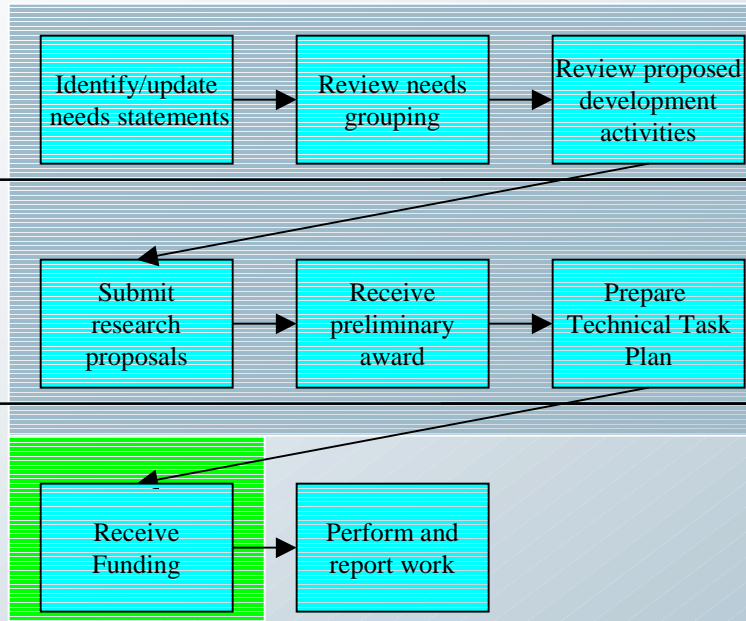
- Implement FY-01 funding
- Evaluate proposals and award
- Update technology needs

Implement FY-01 Funding

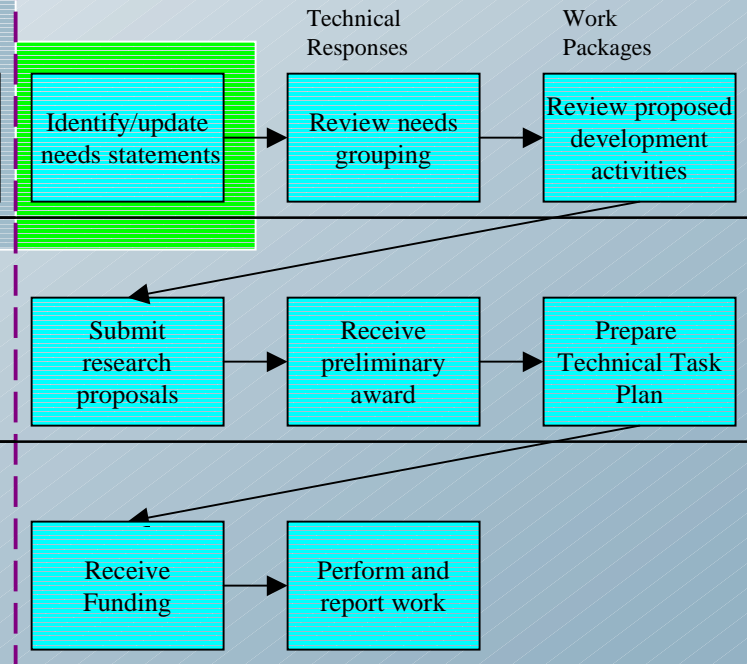
- Construction of prototype HIC at INEEL
- \$120k
- Start weld development program at INEEL and SRS - \$280k
 - Matching EM-21 funding
- PLM activities - \$50k
- CVD process enhancement at Richland
- \$100k
 - Technical assistance from NMFA

NMFA Process Flow

Cycle 1



Cycle 2



FY-2002 Call for Proposals

- Received 33 research proposals
- Review by
 - Nuclear Materials Focus Area team
 - American Society of Mechanical Engineers
 - End User Steering Committee
 - Technical Advisory Group
- Proposed selection by product line manager
- Final selection by NMFA core team

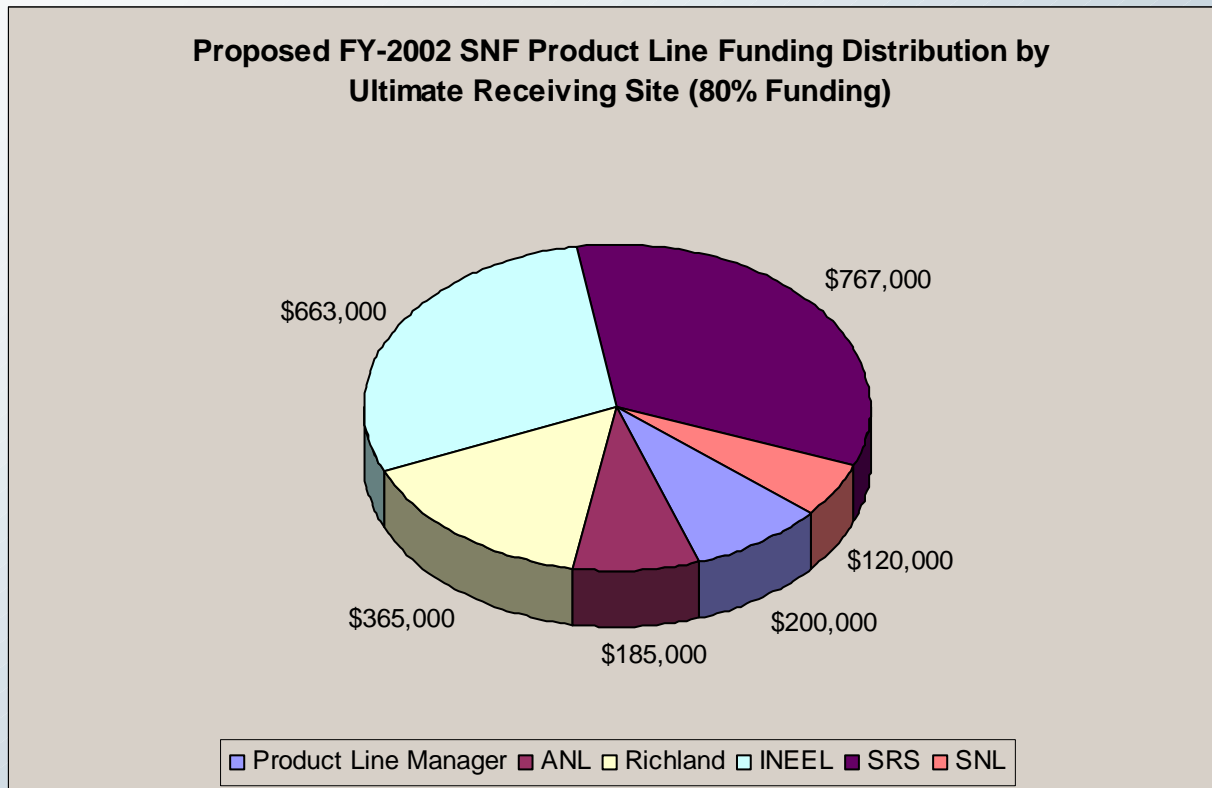
Work Areas at 80% Funding

- Advanced Neutron Absorbers
- Release Rate Studies
- CVD Process Enhancement
- SNF Drying Standards

Update Technology Needs

- Re-evaluation of technology needs crucial activity by November 15, 2001
- Update for current situation, including new needs or deletion of old needs
- Preparing technical responses to the needs
- Workshops held at SRS and Hanford
- Workshop planned at INEEL
- Needs are basis of funding levels and FY-2003 call for proposals

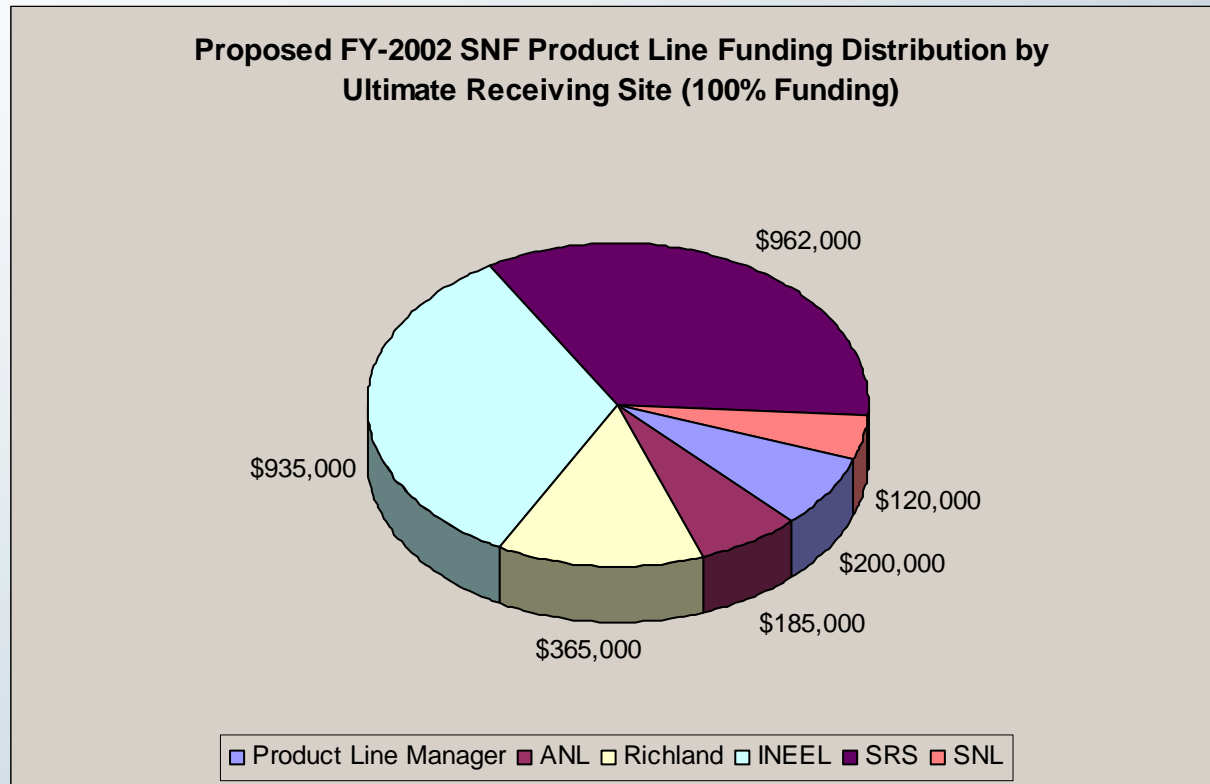
Site Funding Levels at 80%



Work Areas Added at 100% Funding

- Molten Uranium Isotopic Monitor – SRS
- Additional Advanced Neutron Absorber scope
- Organic degradation on SNF

Site Funding Levels at 100%



Next 6 Months Activity

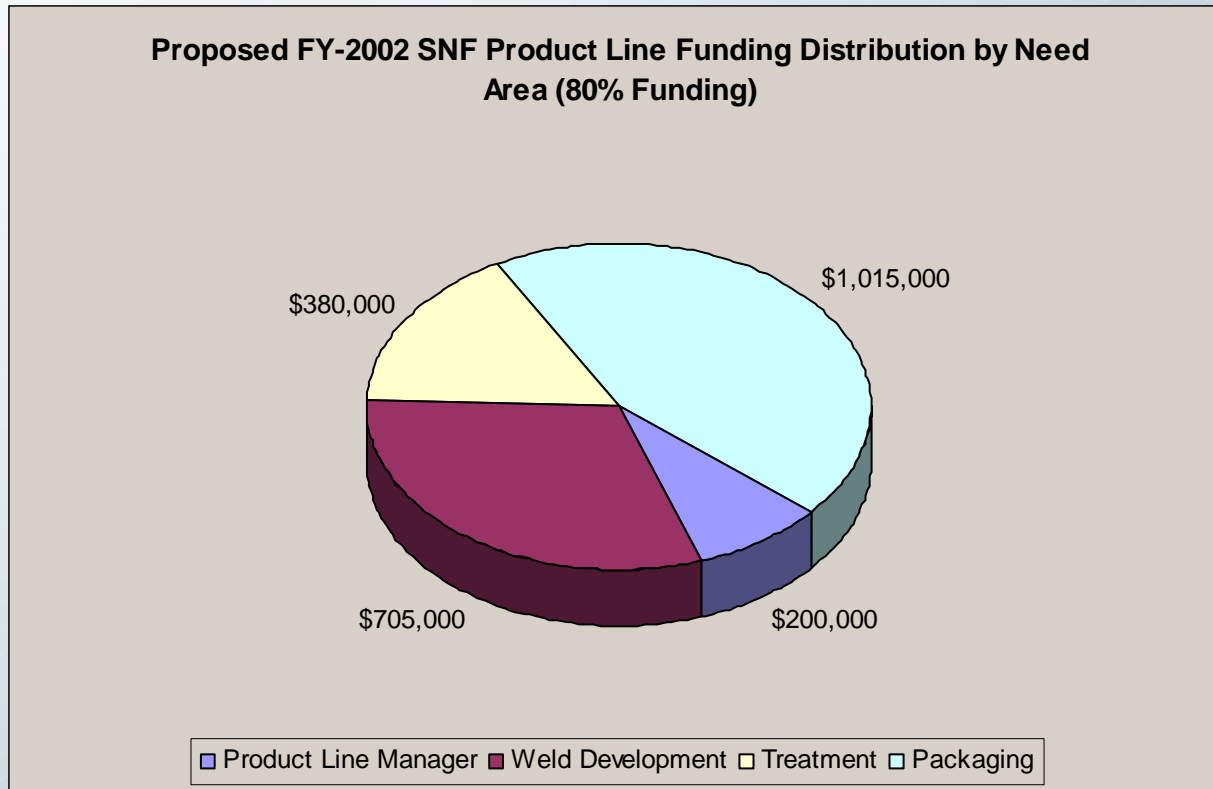
- Assure good start to development activities
- Begin developing revised responses to needs
- Update program documents
- Prepare FY-2003 call for proposals, if budget is available for new starts

Summary

- Successful selection of development activities to support SNF program
- Future needs development is crucial
- Ongoing cooperation within the SNF program will assure success
- Need to communicate success to EM-20 and EM-50

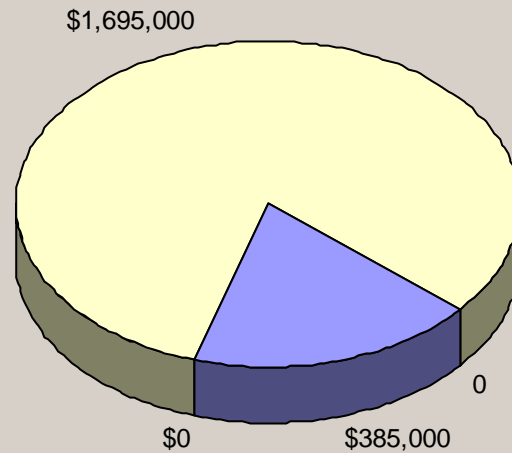
*Hip pocket slides in case
someone asks the questions.*

Need Area Funding at 80%



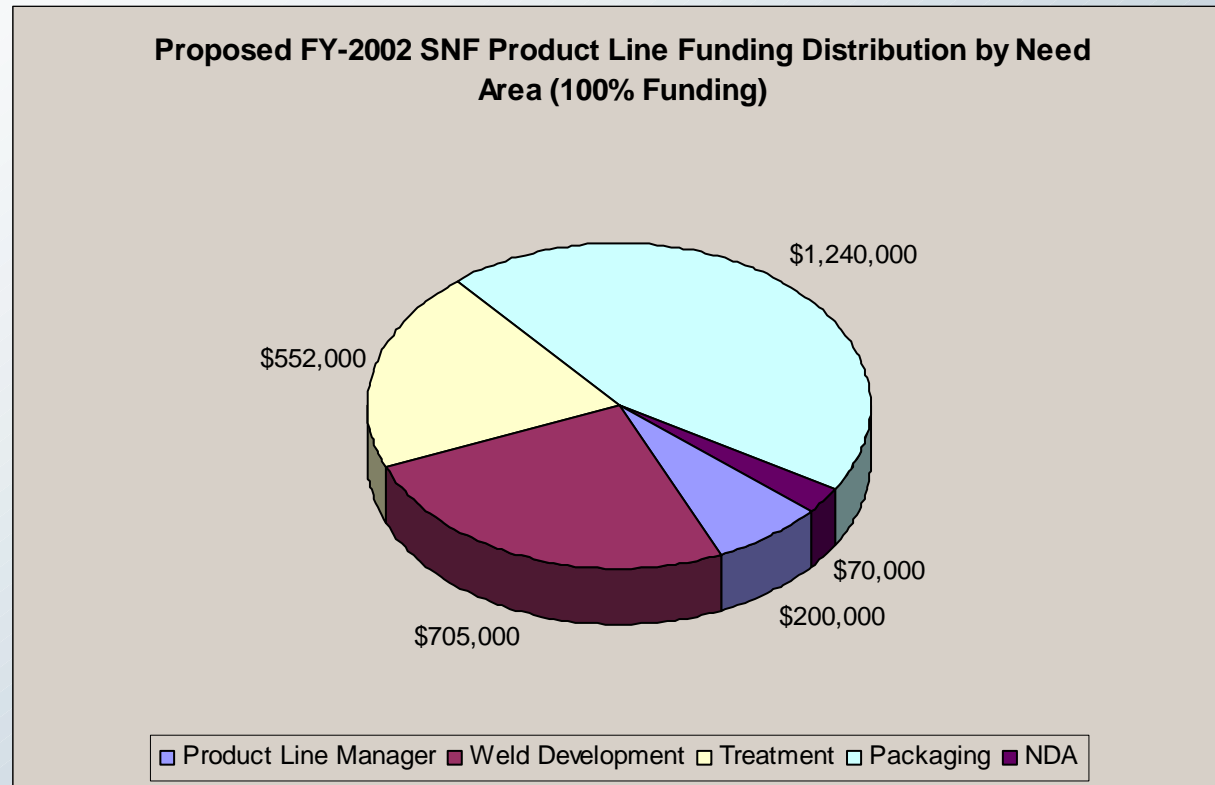
Benefiting Sites at 80%

Proposed FY-2002 SNF Product Line Funding Distribution by
Benefiting Site (80% Funding)



■ Hanford ■ SRS ■ SNF Complex ■ INEEL

Need Area Funding at 100%



Benefiting Sites at 100%

